

PHILATRON

Bare Copper



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Stranded Soft Bare Copper

PHILATRON's Copper Fabrication Operations



Designating

Part Numbers: BC= Bare

Example: BC12K: 12 ga. - 65 x 30 ga.



Copper No. = Size Letter=Class

ASTM Copper Class Table*

Size	Cir Mil	OD	Lbs/1000'	A A	A	B	C	D	G	H	K 30ga.	M 34ga.
20	1,020	.0363	3.16			7	19				10	26
18	1,620	.0456	5.02			7	19				16	41
16	2,580	.0576	7.99			7	19				26	65
14	4,110	.0726	12.68			7	19	37	49		41	104
12	6,530	.0915	20.16			7	19	37	49		65	186
10	10,380	.1160	32.06			7	19	37	49		104	259
8	16,510	.1460	51			7	19	37	49	133	168	420
6	26,240	.1840	81			7	19	37	49	133	266	665
4	41,740	.2320	129	3	7	7	19	37	49	133	420	1064
2	66,630	.2990	205	3	7	7	19	37	49	133	665	1666
1	83,690	.3320	259	3	7	19	37	61	133	259	836	2107
1/0	105,600	.3730	326	7	7	19	37	61	133	259	1064	2646
2/0	133,100	.4190	411	7	7	19	37	61	133	259	1323	3325
3/0	167,800	.4700	518	7	7	19	37	61	133	259	1666	4256
4/0	211,600	.5280	653	7	7	19	37	61	133	259	2107	5320
250MCM	250,000	.5750	772	12	19	37	61	91	259	427	2499	6384
300MCM	300,000	.6300	925	12	19	37	61	91	259	427	2989	7581
350MCM	350,000	.6810	1080	12	19	37	61	91	259	427	3458	8806
400MCM	400,000	.7280	1236	19	19	37	61	91	259	427	3990	10,101
500MCM	500,000	.8130	1542	19	37	37	61	91	259	427	5054	12,691
600MCM	600,000	.8930	1850	37	37	61	91	127	427	703	5985	14,945
750MCM	750,000	.9980	2316	37	61	61	91	127	427	703	7581	18,788
1000MCM	1,000,000	1.152	3086	37	61	61	91	127	427	703	10,101	25,193

* Note: All dimensions and weights are approximate.

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Solid Soft Bare Copper



PHILATRON's Copper Drawing Operations



PHILATRON'S Solid Soft Copper Part Numbers*

Part No.	AWG Size	Diameter (Inches)	Circular Mils	Metric Area (mm ²)	Weight Lbs/1000'	Break Strength Lbs
BC34	34	.006305	39.8	.020	.120	1.25
BC32	32	.007950	63.2	.032	.191	1.99
BC30	30	.01003	100	.051	.304	3.16
BC28	28	.1264	159	.081	.484	5.02
BC26	26	.1594	253	.128	.769	7.98
BC24	24	.02010	404	.205	1.22	12.7
BC22	22	.02535	640	.324	1.95	19.4
BC20	20	.03196	1,020	.52	3.09	30.9
BC18	18	.04030	1,620	.82	4.92	49.2
BC16	16	.05082	2,580	1.31	7.82	78.1
BC14	14	.06408	4,110	2.08	12.43	142.2
BC12	12	.08080	6,530	3.31	19.77	197.5
BC10	10	.1019	10,380	5.26	31.43	314
BC8	8	.1285	16,510	8.38	49.98	473
BC6	6	.1620	26,240	13.3	79.43	753
BC4	4	.2043	41,740	21	126.35	1,197
BC2	2	.2576	66,360	34	200.87	1,901
BC1	1	.2893	83,700	42	253.36	2,398
BC98MCM	Between 1 & 1/0	.3125	97,658	49.57	295.61	2,665

*Note: All dimensions and weights are approximate.

Hard & Medium Drawn Bare Copper Available Upon Request

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Stranded Soft Bare Copper

PHILATRON's Copper Fabrication Operations



Designating

Part Numbers: BC= Bare Copper No. = Size Letter=Class Example: BC12K: 12 ga. - 65 x 30 ga.

PHILATRON's Stranded Soft Copper Part Numbers*

Part No.	Size AWG/MCM	Strands	Diameter (Inches)	Cir Mils	Metric Area (MM ²)	Weight Lbs/1000'
BC26M	26	7x34ga	.019	278	.128	.841
BC24M	24	10x34ga	.023	398	.205	1.23
BC22K	22	7X30ga	.030	704	.324	2.16
BC20K	20	10x30ga	.041	1,005	.52	3.2
BC18K	18	16x30ga	.052	1,608	.82	4.94
BC18M	18	41x34ga	.052	1,629	.82	5.06
BC16C	16	19x29ga	.054	2,426	1.31	7.5
BC16K	16	26x30ga	.0583	2,613	1.31	8.03
BC16M	16	65x34ga	.0459	2,584	1.31	8.02
BC14C	14	19X27ga	.068	3,829	2.08	11.9
BC14K	14	41x30ga	.083	4,121	2.08	12.66
BC14M	14	105x34ga	.086	4,173	2.08	13.0
BC12C	12	19X25g	.086	6,088	3.31	18.8
BC12K	12	65x30ga	.102	6,533	3.31	21
BC12M	12	168x34ga	.101	6,520	3.31	21
BC10B	10	7x.0385	.115	10,376	5.26	33.0
BC10C	10	19x.0234	.114	10,403	5.26	32.3
BC10K	10	104x30ga	.134	10,553	5.26	32.5
BC8B	8	7x.0486	.146	16,534	8.38	51.05
BC8K	8	168x30ga	.157	16,800	8.38	53
BC6B	6	7x..0612	.184	26,218	13.3	81.05
BC4B	4	7x.0772	.232	41,740	21	129
BC2B	2	7x.0974	.332	66,370	34	205
BC1B	1	19x.0664	.332	83,770	42	261
BC1/0B	1/0	19.0745	.373	105,455	54	326
BC2/0B	2/0	19x.0837	.419	133,108	67	415
BC3/0B	3/0	19x.0940	.470	167,884	85	518
BC4/0B	4/0	19x.1055	.528	211,474	107	660
BC250B	250	37x.0822	.575	250,000	127	772
BC300B	300	37x.0900	.630	300,000	152	925
BC350B	350	37x.0973	.681	350,290	178	1,082
BC400B	400	37x.1040	.728	400,000	230	1,236
BC500B	500	37x.1162	.813	500,000	254	1,543
BC600B	600	61x.0992	.893	600,000	305	1,853
BC750	750	133x.0750	1.125	750,000	381	2,355
BC1000	1000	259x.0621	1.304	1,000,000	508	3,159

* Note: All weights and dimensions are approximate.

More Flexible Stranding Available Upon Request. Page 4-3